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CLASSIFIED MESSAGE

~~TOP SECRET~~

[redacted]

ROUTING

1	C/OPS	4	DDR
2		5	DD
3		6	

DATE 2355Z 06 MAR 63

TO : DIRECTOR

FROM : [redacted]

ACTION: OSA (1-2-3-4-5-6-7-8-9-10)

INFO : S/C (11)

[redacted]

PRIORITY

TOR: 0140Z 07 MAR 63

IN 68218

TO PRITY [redacted] INFO PRITY [redacted] CITE [redacted]

REFS: A. [redacted], 15 JAN 63

B. [redacted], 21 FEB 63

C. [redacted], 5 MAR 63

1. THIS IS THE DETAILED PLAN REQUESTED IN YOUR [redacted]

PART I - QUILL (BYEMAN) SECURITY POLICY: THE QUILL PROGRAM CONSISTS OF 3 TAT/AGENA LAUNCHES IN MAY, SEPT, AND NOV 1964. THESE LAUNCHES ARE ADMINISTRATIVELY PART OF [redacted]. THE RELATIONSHIPS BETWEEN QUILL [redacted] ARE ANALOGOUS TO THE RELATIONSHIP BETWEEN [redacted] EXCEPT THAT QUILL IS A RADAR PAYLOAD WHEREAS [redacted]. ONLY QUILL BRIEFED PERSONS ARE AWARE OF THE WORD "QUILL" OR OF THE FACT THAT THE PAYLOAD IS A RADAR. OTHER PERSONS ARE GIVEN THE COVER STORY [redacted].

IN KEEPING WITH THIS SECURITY FRAMEWORK ONLY THE RADAR PAYLOAD IS "BLACK". MOST OF THE PROJECT IS "WHITE, HIGHLY CLASSIFIED" THE WHITE FACTS INCLUDE TAT/AGENA D, SATELLITE, WIDE-BAND DATA

GROUP 1
Excluded from automatic downgrading and declassification

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LINK, REPEAT TAT/AGENA D, SATELLITE, WIDE-BAND DATA LINK, AND RECOVERY REPEAT RECOVERY.

QUILL BRIEFED PERSONS DO NOT, IN GENERAL, REQUIRE ACCESS TO CORONA AND VICE VERSA. THE RECOVERY SUBSYSTEM IS DEFINED AS [redacted] THE RECOVERY SUBSYSTEM WILL REMAIN UNDER CORONA SECURITY.

PART II - QUILL PROJECT SECURITY PROCEDURES: THE QUILL PROGRAM OPERATES [redacted] PERSONS WHO MUST KNOW THAT THE PAYLOAD IS A RADAR ARE CLEARED AND BRIEFED IN ACCORDANCE WITH BYEMAN CRITERIA. CORRESPONDENCE CONTAINING ANY REFERENCE TO RADAR OR ANY SENSITIVE ASPECT OF THE QUILL PROGRAM (NAME OF RADAR CONTRACTOR, PAYLOAD DETAILS) IS HANDLED VIA BYEMAN CONTROLS WITHIN THE GOVERNMENT. PROCEDURES EQUIVALENT TO BYEMAN ARE USED FOR COMMUNICATION AND SECURITY CONROL BY CONTRACTORS. QUILL SECURITY OFFICERS AT CONTRACTOR FACILITIES ARE CONTRACTOR EMPLOYEES.

PART III - FUNDING PROCEDURES AND RESPONSIBILITIES: THE WHITE FUNDS FOR QUILL ARE PROGRAMMED BY THE AIR FORCE AS PART OF [redacted] THESE FUNDS COVER EVERYTHING EXCEPT THE RADAR PAYLOAD AND THE RECOVERY SUBSYSTEM, WHICH ARE PAID FOR IN THE BLACK [redacted] ALL WHITE PROCUREMENTS AND THE BLACK RADAR PROCUREMENT ARE MADE BY THE AIR FORCE. THE BLACK RECOVERY SUBSYSTEM PROCUREMENT IS MADE BY THE CIA WITH [redacted]

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PART IV - CONTRACTORS' RELATIONSHIPS:

A. FOR BASIC QUILL PROGRAM (NOT INCLUDING RECOVERY SUBSYSTEM) THE TRANSLATION IS AS FOLLOWS:

LMSC REPEAT LMSC: (WHITE CONTRACT WUTH SAFSP); SE/TD, AGENA VEHICLE, SPECIAL ANTENNA, LAUNCH AND TRACKING SERVICES.

[redacted]:

[redacted]; CONSULTANT FOR RADAR, ALS O OPTICAL PROCESSING OF RAW RADAR DATA TO PRODUCE FINAL RADAR MAP.

DAC REPEAT DAC: (WHITE CONTRACT); TAT BOOSTER, LAUNCH SERVICES.

GOODYEAR AIRCRAFT COMPANY REPEAT GOODYEAR AIRCRAFT COMPANY: (BLACK SAFSP CONTRACT); RADAR PAYLOAD.

B. FOR THE 3 REQUIRED, COMPLETE RECOVERY SUBSYSTEMS, THE CORONA CONTRACTUAL ARRANGEMENT WILL BE USED WITHOUT ANY CHANGE. SPECIFICALLY, THE FOLLOWING PROCUREMENTS WILL BE MADE:

(1) LMSC (HILLER) WILL PROVIDE HARDWARE AS FOLLOWS: AFT CAPSULE COVER, MODIFIED WATER SEAL, BLOSSOM TELEMETRY, BALLAST SYSTEM, DRAIN AND SINK PLUGS, AND PARACHUTE. LMSC (HILLER) WILL MODIFY AND INSTALL LMSC HARDWARE AND WILL ACCOMPLISH TEST AND CHECKOUT OF COMPONENTS AND COMPLETED ASSEMBLIES. DELIVERY DATES: 1 NOV 63, 15 JAN 64, AND 15 APR 64.

(2) GE WILL PROVIDE THREE MARK VA SPACE VEHICLES, GE PART NUMBER 196R300G12, MODIFIED SO THAT THE CASSETTE MOUNTING RAILS WILL ACCOMMODATE THE IDENTICAL 70MM CASSETTE USED IN THE MARK IV CONFIGURATION. DELIVERY DATES TO LMSC: FIRST SYSTEM TO

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LMSC 1 SEPT 63, SECOND AND THIRD AT ONE-MONTH INTERVALS DESIRED; TWO-MONTH INTERVALS ACCEPTABLE.

(3) ITEK WILL PROVIDE THREE TAKE-UP CASSETTES, ITEK PART NUMBER 39178. REQUIRED DATE AT LMSC SAME AS FOR MARK VA SYSTEMS ABOVE. (CASSETTES MAY BE AVAILABLE AS RESIDUE TO PRIOR WORK.)

(4) ENGINEERING COORDINATION WILL BE ACCOMPLISHED THROUGH LMSC SE/TD.

(5) BUDGET ESTIMATES:

	FY63	FY64	TOTAL
LMSC	[redacted]		
GE			
ITEK			
TOTAL			

PART V - HARDWARE HANDLING AND CHECKOUT PROCEDURES: THE QUILL RADAR PAYLOAD WILL BE FABRICATED IN PHOENIX, SHIPPED TO SUNNYVALE FOR INSTALLATION AND CHECKOUT IN THE AGENA, AND THEN SHIPPED IN THE AGENA TO VAFB FOR LAUNCH. WHENEVER THERE WILL BE EVIDENCE THAT THE PAYLOAD IS A RADAR, QUILL SECURITY WILL BE ENFORCED.

THE RECOVERY SUBSYSTEM WILL BE ASSEMBLED AND CHECKED OUT BY LMSC (HILLER) UNDER CORONA SECURITY. FUNCTIONAL TESTING WITH THE RADAR PAYLOAD WILL BE ACCOMPLISHED IN [redacted], LMSC, AN [redacted]-CLEARED AREA. THEN THE PAYLOAD AND RECOVERY SUBSYSTEMS MOVE TO [redacted], LMSC, FOR SYSTEMS TESTS AND ENVIRONMENTAL CHAMBER TESTS. RECOVERY SUBSYSTEM THEN SHIPS TO VAFB FOR FINAL

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PREPARATION IN "L" BLDG. RECOVERY SUBSYSTEM MATES WITH AGENA AND PAYLOAD IN [redacted] AT VAFB PRIOR TO LAUNCH. CIA IS RESPONSIBLE FOR ALL RECOVERY SUBSYSTEM HANDLING AND SECURITY. IN THIS WAY INTERACTION BETWEEN CORONA AND QUILL WILL BE MINI-. MIZED.

PART VI - LAUNCH AND RECOVERY RESPONSIBILITIES: THE LAUNCH WILL BE CONDUCTED AS [redacted] OPERATION. THE RECOVERY WILL BE FUNCTIONALLY REPEAT FUNCTIONALLY SIMILAR TO PRESENT 162 OPERATIONS, BUT WILL BE IDENTIFIED WITHIN THE RECOVERY FORCE AS [redacted] THE PRIMARY (FILM) RECORD WILL BE TRANSMITTED TO HILLER FOR DE-SPOOLING, TO SPPL FOR PROCESSING, AND THEN TO [redacted] FOR OPTICAL TRANSLATION TO FINAL FORMAT. AS IN THE CASE OF PRE-LAUNCH ACTIVITIES, CORONA SECURITY WILL DICTATE THE RECOVERY SECURITY CONTROLS.

2. CONSISTENT WITH THE ABOVE PLAN WE WILL COORDINATE THE PROCUREMENT AND SECURITY MATTERS PERTAINING TO THE RECOVERY SUBSYSTEM ON A CONTINUING BASIS THROUGH LOCAL REPRESENTATIVES, MESSRS [redacted]

3. FOR COL MARTIN: WE CONSIDER THE FOLLOWING TO BE MOST IMPORTANT ACTION ITEMS:

A. TRANSFER OF FUNDS TO CIA (REF PARA 1, PART IV, B).

B. AUTHORIZATION FOR LT COL MURPHY AND MESSRS [redacted] AND [redacted] TO PARTICIPATE ASSSET FORTH ABOVE.

END OF MESSAGE